

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P629482

Luminaire Tested: GWS-SA1B-760-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629482
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-760-U-T3R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2267.9 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

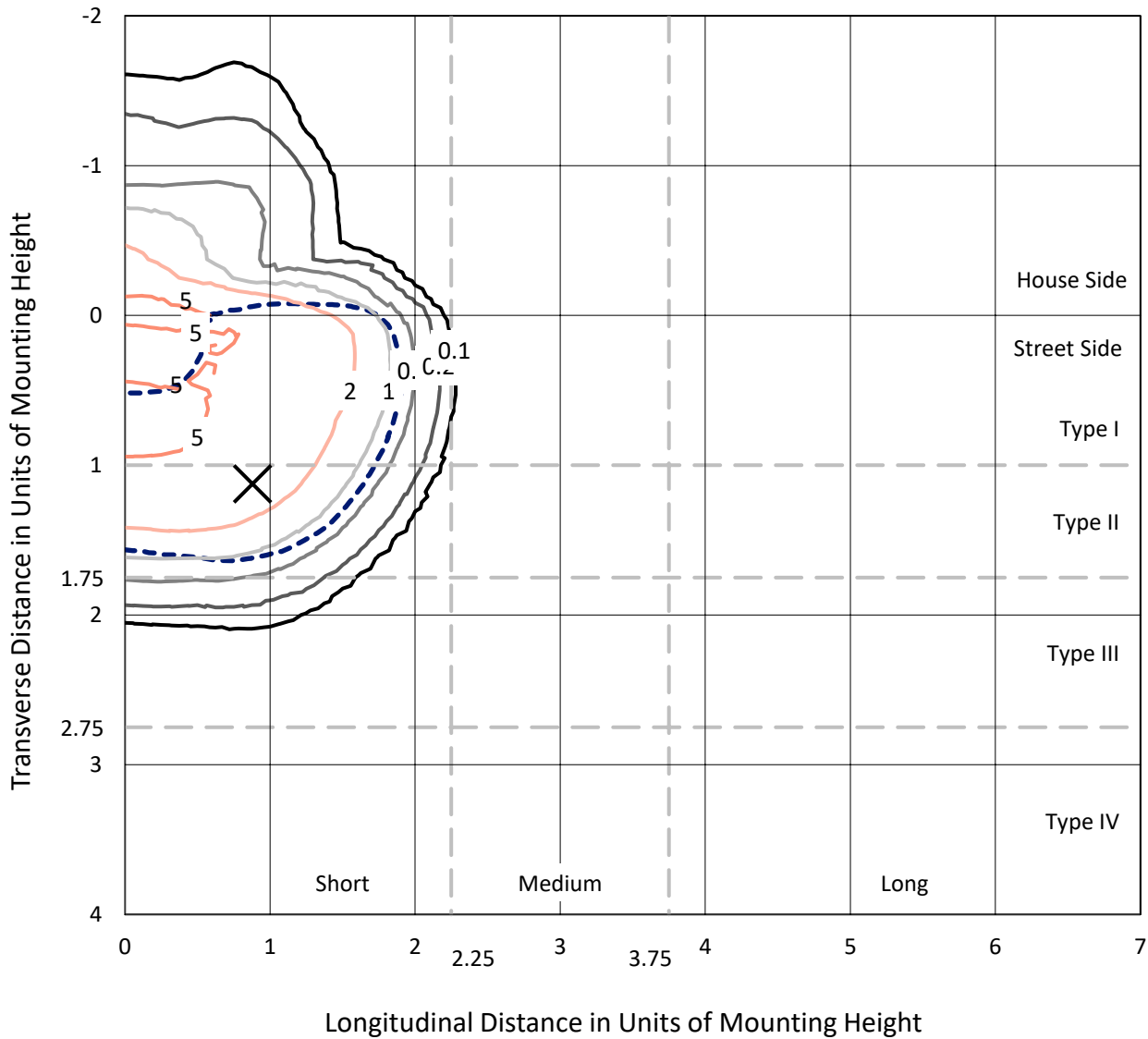
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

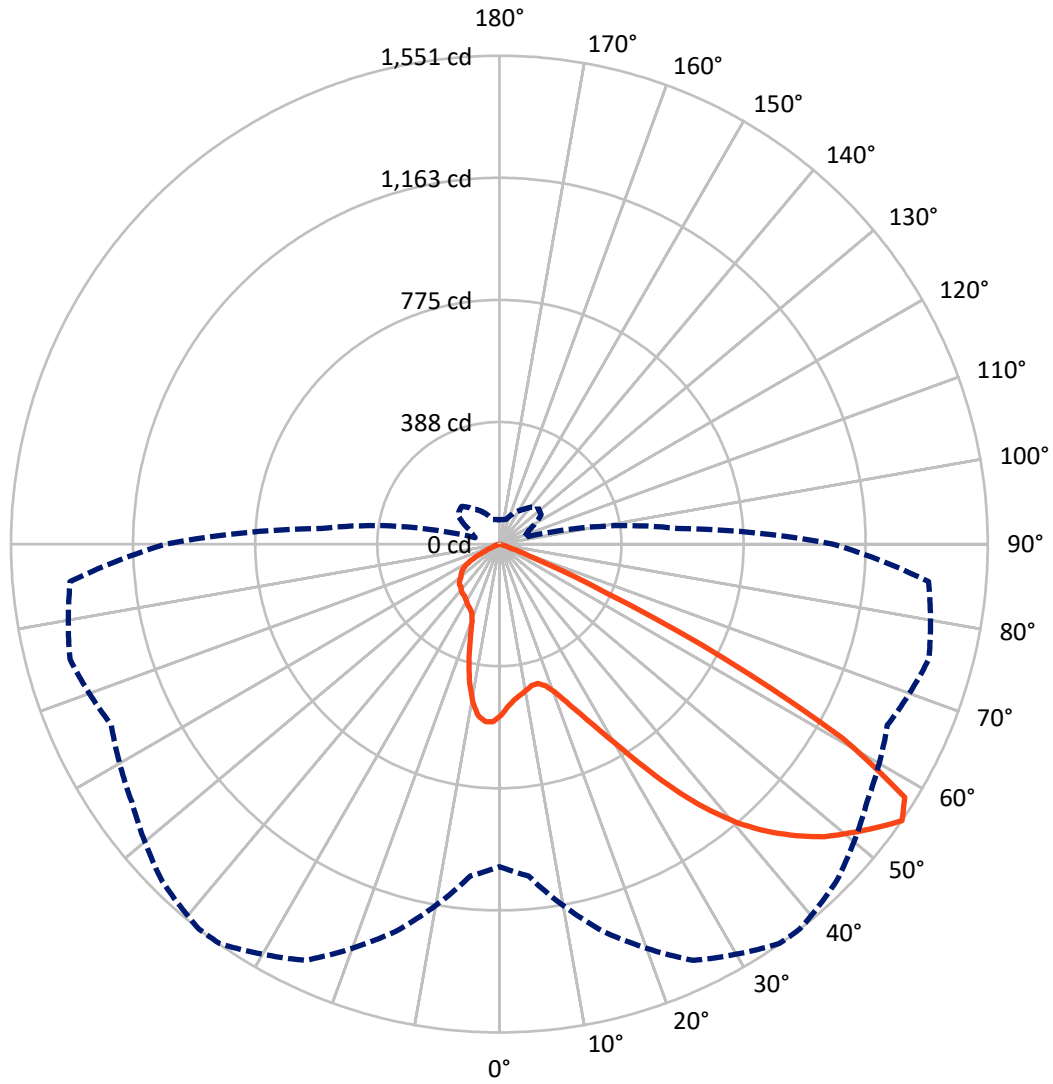
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	441.9	0.0	441.9
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	1826.0	0.0	1826.0
	% Fixture	80.5	0.0	80.5
Total	Lumens	2267.9	0.0	2267.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.3	2.2
10°-20°	135.4	6.0
20°-30°	232.3	10.2
30°-40°	385.3	17.0
40°-50°	566.4	25.0
50°-60°	661.9	29.2
60°-70°	224.4	9.9
70°-80°	11.5	0.5
80°-90°	0.5	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2267.9	100.0
0°-180°	2267.9	100.0

Coefficient of Utilization



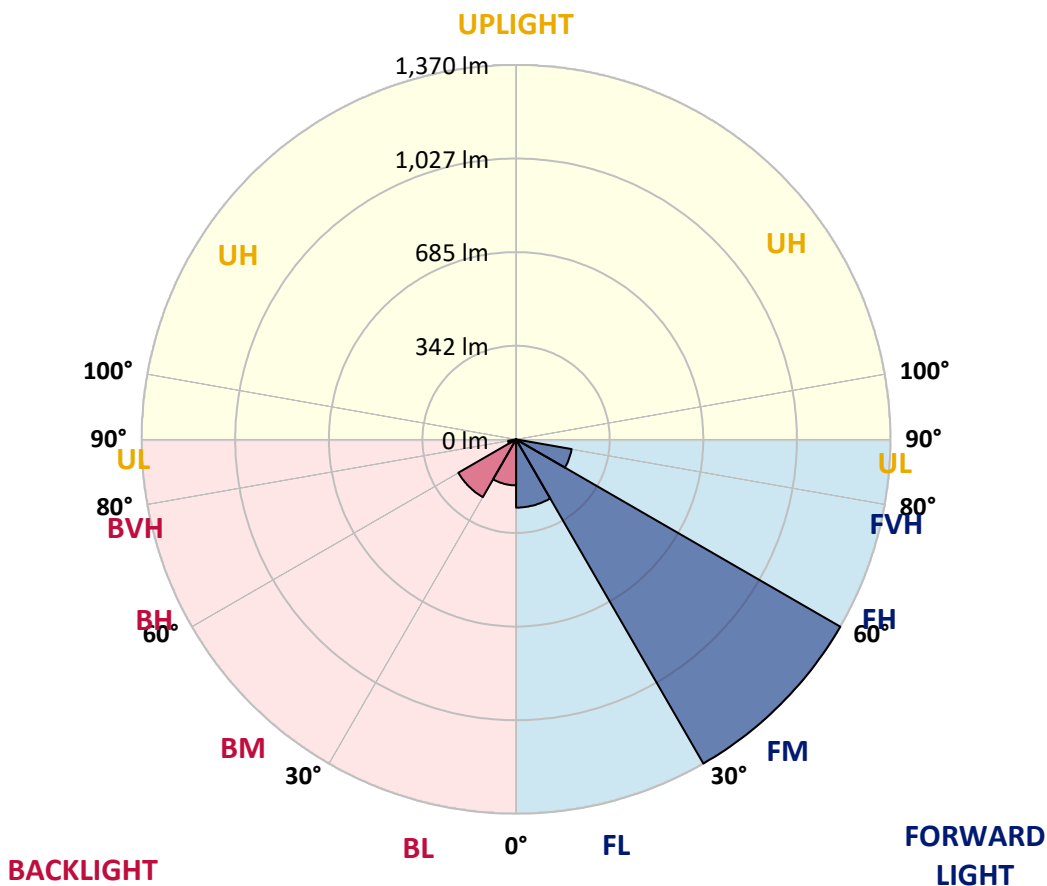
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	249.6	11.0			
FM (30°-60°)	1369.7	60.4			
FH (60°-80°)	206.4	9.1			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	168.3	7.4	B1/500		
BM (30°-60°)	243.9	10.8	B1/1000		
BH (60°-80°)	29.4	1.3	B0/110		G0/110
BVH (80°-90°)	0.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	543.9	543.9	543.9	543.9	543.9	543.9	543.9	543.9	543.9	543.9	543.9
2.5°	506.5	505.5	507.6	511.7	515.6	516.9	520.8	526.2	529.6	537.6	544.1
5°	483.7	483.2	485.3	488.9	494.1	495.9	501.9	510.9	520.0	534.0	547.7
7.5°	463.0	462.7	465.8	473.9	481.4	483.7	491.0	502.1	514.3	535.8	556.0
10°	435.8	436.0	442.0	453.4	467.1	471.8	483.5	499.5	515.3	543.1	571.1
12.5°	426.9	427.5	430.6	439.4	454.4	460.4	476.7	501.1	521.3	553.5	590.5
15°	448.5	448.5	445.9	446.9	453.6	459.1	476.2	506.3	531.4	565.9	609.7
17.5°	490.2	488.6	482.2	473.3	471.0	472.8	486.6	517.4	545.7	580.4	631.5
20°	546.7	547.2	534.5	516.1	501.3	501.1	509.4	537.1	566.2	597.8	655.1
22.5°	615.1	613.1	596.2	571.1	545.4	543.3	546.7	567.2	595.7	625.3	684.1
25°	694.5	693.4	669.6	635.9	601.9	597.0	597.0	617.2	638.0	664.4	718.8
27.5°	777.4	777.4	754.4	715.5	670.4	661.5	660.3	684.1	697.8	703.0	748.1
30°	862.7	861.7	838.9	798.9	750.7	741.7	738.0	755.6	765.5	749.9	784.7
32.5°	949.3	951.1	928.0	891.0	847.9	842.0	830.8	830.8	838.9	817.1	842.2
35°	1042.4	1041.8	1023.7	998.5	961.7	955.0	936.6	907.8	920.0	910.4	921.8
37.5°	1124.5	1128.4	1119.6	1100.9	1071.1	1064.4	1034.1	982.0	991.3	1006.3	1016.4
40°	1208.0	1211.1	1219.9	1214.0	1176.4	1163.9	1110.0	1024.5	1034.8	1086.4	1115.5
42.5°	1289.9	1291.5	1309.4	1319.2	1268.9	1247.1	1167.6	1050.4	1061.3	1149.2	1200.0
45°	1342.0	1345.4	1374.9	1405.0	1350.6	1320.8	1217.6	1083.6	1088.2	1192.7	1262.4
47.5°	1339.9	1347.7	1403.2	1457.9	1420.8	1388.7	1277.7	1136.7	1128.9	1233.7	1303.7
50°	1298.2	1307.5	1387.1	1474.0	1471.4	1441.6	1344.6	1213.7	1189.3	1270.0	1308.8
52.5°	1211.6	1238.6	1358.9	1476.0	1512.1	1497.0	1427.3	1317.4	1271.0	1322.1	1317.1
55°	1024.5	1057.6	1273.1	1458.4	1548.9	1550.7	1514.1	1425.5	1359.6	1411.8	1368.2
57.5°	777.7	804.1	979.9	1298.2	1488.0	1517.8	1547.8	1482.5	1414.3	1472.9	1380.1
60°	468.7	499.3	613.6	952.7	1201.8	1252.6	1370.5	1357.8	1275.7	1300.8	1131.8
62.5°	190.0	206.1	283.3	524.9	756.4	803.9	916.9	936.1	915.9	890.2	686.4
65°	69.5	76.0	113.5	217.0	347.9	365.3	424.9	458.8	486.8	414.5	255.3
67.5°	43.0	47.2	73.9	111.5	126.5	117.7	119.8	142.8	136.4	84.2	45.6
70°	31.9	35.3	57.8	77.2	51.1	39.4	26.7	28.5	25.7	22.6	22.3
72.5°	22.0	25.1	43.3	45.6	19.7	14.0	9.9	13.7	15.6	15.3	15.8
75°	14.5	16.8	27.2	17.9	4.9	3.9	3.4	7.3	9.3	9.3	9.6
77.5°	8.6	9.9	9.6	3.6	1.0	1.0	0.8	1.3	2.1	2.3	2.9
80°	1.0	0.8	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.8	0.8
82.5°	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.8
85°	0.0	0.0	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.8	0.8
87.5°	0.0	0.0	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	543.9	543.9	543.9	543.9	543.9	543.9	543.9	543.9	543.9	543.9	543.9
2.5°	549.0	547.2	554.7	560.2	564.6	566.7	563.8	563.6	563.6	557.9	556.3
5°	555.5	556.3	566.9	571.6	572.4	569.8	563.3	558.9	556.3	550.3	547.0
7.5°	568.0	570.6	580.7	579.9	572.9	561.0	543.9	530.6	522.1	512.8	507.0
10°	585.9	590.8	597.0	586.1	563.8	533.5	498.2	473.1	458.1	447.4	440.9
12.5°	607.6	612.6	610.5	584.8	538.4	484.2	438.9	402.6	385.2	375.6	368.9
15°	629.7	632.8	619.3	569.3	493.6	420.7	370.2	334.1	312.9	305.1	299.4
17.5°	652.2	651.4	620.9	538.7	433.7	349.2	299.4	274.8	268.8	267.5	267.0
20°	675.8	668.8	614.6	494.9	361.6	278.4	250.2	251.7	262.6	267.8	268.8
22.5°	702.8	685.1	599.1	435.5	288.0	232.0	234.9	250.2	264.9	271.9	273.0
25°	731.5	700.2	573.2	359.3	227.1	213.3	230.2	247.8	263.6	272.2	273.2
27.5°	750.5	703.8	530.6	282.6	194.9	206.1	224.0	240.8	257.2	266.5	267.8
30°	770.9	702.2	472.8	217.8	184.1	199.9	215.4	230.7	245.7	256.1	257.2
32.5°	801.0	701.2	402.3	176.8	179.6	194.9	206.3	219.0	229.4	235.4	234.6
35°	840.4	699.9	320.1	159.4	177.1	191.1	200.1	206.1	194.7	191.1	191.8
37.5°	891.0	703.0	250.9	152.2	176.3	190.0	197.8	180.7	163.1	156.3	155.3
40°	947.0	711.1	191.3	149.3	178.9	192.6	189.0	160.7	138.9	125.7	122.9
42.5°	1003.2	719.9	151.4	148.3	183.3	199.9	174.5	146.2	113.5	106.0	105.0
45°	1044.9	718.3	130.9	146.5	187.2	204.0	170.6	125.5	101.4	98.0	98.2
47.5°	1065.9	701.2	119.8	142.3	188.7	199.9	161.0	116.9	93.1	96.7	99.8
50°	1054.8	656.9	109.4	134.3	185.3	194.4	145.7	110.4	88.9	104.0	110.9
52.5°	1041.3	602.4	98.0	121.8	177.3	186.9	139.7	108.6	86.3	100.3	105.5
55°	1059.2	568.0	79.3	102.7	161.5	169.3	135.1	108.4	80.4	78.0	77.2
57.5°	1034.1	499.3	56.8	73.9	123.9	134.0	131.7	106.5	71.3	71.0	72.1
60°	799.2	304.6	38.9	46.9	76.0	85.5	119.5	101.9	61.4	56.5	56.8
62.5°	454.2	129.6	26.7	29.0	38.9	46.1	91.2	92.5	56.8	53.9	56.8
65°	158.1	46.4	20.7	19.4	21.5	24.6	52.4	71.5	51.6	46.7	47.2
67.5°	32.7	23.1	18.4	16.1	16.1	16.1	26.7	44.6	42.5	37.1	37.6
70°	20.7	19.7	16.1	13.7	13.2	12.2	15.3	24.6	29.3	27.0	27.2
72.5°	15.3	15.0	12.7	11.1	9.9	8.8	9.6	12.2	15.0	15.6	15.8
75°	9.3	9.6	8.3	7.0	6.2	5.4	5.7	5.7	5.7	5.2	5.7
77.5°	2.9	3.1	2.6	2.1	1.8	1.8	1.8	1.6	1.3	0.8	0.8
80°	0.8	0.8	0.8	0.8	0.8	0.5	0.5	0.3	0.3	0.0	0.0
82.5°	0.8	0.8	0.8	0.8	0.5	0.5	0.3	0.3	0.0	0.0	0.0
85°	0.8	0.8	0.8	0.8	0.5	0.5	0.3	0.3	0.0	0.0	0.0
87.5°	0.8	0.8	0.8	0.8	0.5	0.5	0.3	0.3	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)